# SOURCE QUALIFICATION REQUIREMENTS

(PL 98-525, SECTION 2319)

STOCK NR (NSN): 3040-01156-5804 LE

NOUN: THREADED SHAFT, HOUSING ASSY MLG

PART NUMBER (P/N): 4G13665-103A AIRCRAFT: C-5

### SECTION C

# QUALIFICATION REQUIREMENTS THAT MUST BE SATISFIED TO BECOME A QUALIFIED SOURCE

- 1. Because of the need for uninterrupted item support to military aircraft systems and in keeping with the requirements of PL 98-525, the current acquisition need not and generally will not be delayed to provide an offerer an opportunity to qualify. Normal acquisition practices at OO-ALC should preclude the denial of opportunity to any interested offerer.
- 2. The offerer must provide a pre-contract award qualification article, which meets the requirements of the engineering drawings, material specifications, and process specifications. However, successful completion of the qualification testing does not guarantee any contract award. If the offerer is deemed qualified and awarded the contract, a post-contract award first article exhibit may be required to verify production capability.
- 3. The required materials will be procured from a qualified source and will meet the requirements of their respective specifications. The offerer will assure that the material supplier has accomplished this and will submit certified documentation of accomplishment of the above requirements to the purchaser along with the pre-contract award qualification article.
- 4. The qualification article shall demonstrate full compatibility and comparability with existing parts, and once submitted, will be subjected to such testing as deemed necessary by the government, to insure the article meets all dimensional, processing, and functional requirements. Such testing may result in the destruction of the article. Following completion of necessary testing and evaluation, the article, no matter what its condition, shall be returned to the contractor or disposed of at his discretion and direction, whether it was found acceptable or not.
- 5. Form verification: The Government's Quality Verification Center will verify compliance with dimensional data requirements. Material and process compliance will also be verified as required.
- 6. Fit/function verification: Existing components and Government test stands/fixtures will be utilized to verify physical interface and functional performance of articles.
- 7. Testing for material and process compliance

(a) Material analysis

(d) Plating

(b) Heat-treat

(e) Finish

(c) Grinding

(f) other

### 8. Remarks:

- a. Organic verification capabilities exist at OO-ALC.
- b. Test requirements outside organic capabilities will be contracted out to independent laboratories.
- 9. The estimated cost of government testing and evaluation is \$500
- 10. Maximum time for testing of the qualification article will not exceed 30 days from receipt at testing agency.

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(PL 98-525, SECTION 2319)

STOCK NR (NSN) 3040-01156-5804 LE NOUN: THREADED SHAFT, HOUSING ASSY MLG PART NUMBER (P/N) 4G13665-103A

AIRCRAFT: C-5

#### SECTION D

### QUALIFICATION WAIVER REQUIREMENTS.

- 1. An offerer who has had previous experience in the manufacture and qualification of items, which can be correlated with this product, may apply to the design control authority at OO-ALC for a waiver of the above stated qualification requirements.
- a. The qualification waiver criteria utilized by the design control authority to perform a qualification analysis are available upon request. The qualification waiver criteria may be used as a guide in preparing the offerer's written input to the design control authority.
- b. The burden of proof for written inputs is on the offerer. The design control authority will not pursue authenticity verification of claims made by the offerer of product manufacturing experience with other Government or non-Government agencies. Unsubstantiated claims will not be considered in the waiver analysis process.
- c. This waiver will be granted if and only if the design control authority (LGHLE) can establish the qualifications of the offerer through the evaluation of written inputs from the offerer or from previous knowledge of the offerer's capabilities or from previous experience with the offerer on similar item acquisitions. If there is any doubt about the offerer's capability, the offerer will be required to submit a pre-qualification article. There is no guarantee of qualification by similarity. LGHLE reserves the right to require a pre-qualification article of all offerers.
- 2. The current acquisition need not and will not be delayed in order to provide an offerer with an opportunity to meet the requirements for qualification waiver.
- 3. Maximum time for approval of qualification by similarity will not exceed 15 days.

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Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the government Issuing Contracting Officer for the Contract/PR No. in Block E.										
A. CONTRACT LINE		EXHIBIT A	C: CATEGORY: TE					- <del> </del>  -		
D. SYSTEM/ITEM SHAFT SHOULDERI	ED	E. CONTRAC FD20200		F. CONTRACT	ror			-  -  -		
1. DATA ITEM NO.	2. TITLE OF DATA	A ITEM		3. SUBTITLE	В			≓ <del> </del>   17.	PRICE	GROUP
A001	TEST/INSPECT	ION REPORTS		GOVERNME	ENT TESTING					1
4. AUTHORITY (Data DI-NDTI-80809B	a Acquisition Doc /T	cument No.) 5. (	CONTRACT REFERENCE		6. REQUIRING OFFICE	<del></del>		   18. 	ESTIMA TOTAL	•
7. DD 250 REQ 9.	DIST STATEMENT REQUIRED	10. FREQUENCY OTIME	12. DATE OF FIRST	SUBMISSION	14. DISTRIBU	TION		네! !!		
8. APP CODE N/A	İ	11. AS OF DATE	BLK 16  13. DATE OF SUBSEQUENCE OF S	UENT SUBM.	a. ADDRESSEE	<u> </u>	COPIES			
16. REMARKS		N/A	N/A			draft	reg repi	-  -		
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) Form 1423-1, JUN	90	Previous	editions are obsol	ete	Page	<u> </u>	2 Page	j s		

#### INSTRUCTIONS FOR COMPLETING DD FORM 1423

(See DoD 5010.12M for detailed instructions.)

### FOR GOVERNMENT PERSONNEL

- Item A. Self-explainatory.
- Item B. Self-explainatory.
- Item C. Mark (X) appropriate category: TDP Technical Data
  Package; TM Technical Manual; Other other category of data,
- such as 'Provisioning', 'Configuration Management', etc.
- Item D. Enter name of system/item being acquired that data will
- Item E. Self-explainatory (to be filled in after contract award).
- Item F. Self-explainatory (to be filled in after contract award).
- Item G. Signature of preparer.
- Item H. Date CDRL was prepared.
- Item I. Signature of CDRL approval authority.
- Item J. Date CDRL was approved.
- Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.
- Item 2. Enter title as it appears on data acquisition document cited in Item 4.
- Item 3. Enter subtitle of data item for futher definition of data item (optional entry).
- Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.
- Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g. Statement of Work paragraph number).
- Item 6. Enter technical office responsible for ensuring adequacy of item. the data item.
- Item 7. Specify requirement for inspection/acceptance of the data item by the Government.
- Item 8. Specify requirement for approval of a draft before preparation of the final data item.
- Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref DoDD 5230.24).
- Item 10. Specify number of times data items are to be delivered.
- Item 11. Specify as-of date of data item, when applicable.
- Item 12. Specify when first submittal is required.
- Item 13. Specify when subsequent submittals are required, when applicable.
- Item 14. Enter addresses and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.
- Item 15. Enter total number of draft/final copies to be delivered.
- Item 16. Use for additional/clarifying information for items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14; Desired medium for delivery of the data item.

#### FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contrator must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use data shall be governed by the pertinent provisions of the contract.

	REVISION:							Š	ENGINEERING	DATA LIST		* HISTORY *
DATE:	08APR03	DATA TECH:	SOH	Ö	RGN S	ORGN SYMBOL	<u>ر</u> :	3	LGMPM	PR NR :	APPLICATION: C5 A/B/C	PAGE 1 OF 1
CAGE: 98897	E: MANUFACTURER NAME: 97 LOCKHEED MARTIN	JRER NAME: MARTIN		-			13 A	31366.	REFERENCE NR: 4G13665-103A	NOUN: SHAFT,	NOUN : SHAFT,SHOULDERED	NSN: 3040011565804LE
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ENC	ENGINEERING DATA LIST REMARKS	IST REMARKS							FURNISHED ME C - CLASSIFI S - FURNISH M - STABLE F FURNISH	FURNISHED METHOD CODE LEGEND: C - CLASSIFIED DOCUMENT. S - FURNISHED WITH SOLICITATION. M - STABLE BASE DRAWING REQUIRED, FURNISHED WITH CONTRACT AWARD.	<ul> <li>X - DATA SUPPLIED (NOT IN EDCARS).</li> <li>R - FURNISHED BY PCD UPON REQUEST.</li> <li>P - PARTIAL DOCUMENT FURNISHED.</li> <li>V - VENDOR DRAWING;</li> <li>(NOT PROVIDED)</li> </ul>	. G - GOV'T DOCUMENT O - OTHERS, CONTRACTOR MUST ACQUIRE. A - DATA NOT AVAILARIE

DEV.							
REV:	ENGINEERING DATA REQUIREMENTS						
	(ATTACHMENT "A")						
NOTE: MILITARY SPECIFICATIONS I/STANDARDS WILL NOT BE FURNISHED IN THE BID SET.  1. THE FOLLOWING INSTRUCTIONS ARE FURNISHED FOR THE MANUFACTURE OF							
1. THE FOLLOWING INSTRUCTIONS ARE FURNISHED FOR THE MANUFACTURE OF							
SHAFT, THREADED - HOUSING ASSY, STRUT ASSY, MLG							
2. PART NUMBER			3. NATIONAL STOCK NUMBER				
4G13665-103A 3040 01 156 5804 LE							
4. THE FOLLOWING SPECIFICATIONS/STANDARDS, ETC., WILL BE USED IN LIEU OF THE DATA INDICATED. THE SUPERSEDED DATA WILL NOT BE FURNISHED UNLESS SO INDICATED.							
a. Machine to meet drawing requirements per LAC 0701, in lieu of DS30003.							
b. Identify to	meet dr	awing requirements per MIL-STD-130,	in lieu of STP 63-001 impression se	amping not permitted.			
c. Heat treat	per SAF	E AMS-H-6875, in lieu of STP 54-006.					
(FWDC), The intent shall be no	and wet of NO I o indicati	continuous method. With the following DEFECTS ALLOWED is that the inspections allowed. The inspector performing the dots a level III, as specified in NAS-41	acceptance/rejection criteria: NO D ction is conducted at the required so the inspection shall be level II certif	PEFECTS ALLOWED.  ensitivity level and there			
e. Shot peen	i to meet	drawing requirements per SAE AMS-S-	13165, in lieu of STP 51-501.				
•	_	d/machined after heat treat, shall be insport MIL-STD-866.	ected for burns per MIL-STD-867,	in lieu of STP 54-006.			
g. Cadmium <sub>l</sub>	plate per	MIL-STD-1500, Type II, Class 2, in lie	eu of DS 30000 and (code CC).				
h. Threads p	er MIL-S	S-8879, SAFETY CRITICAL THREAD	S.				
1	<ol> <li>Drilling, reaming, and honing to meet drawing specifications, using best shop procedures and the following notes in lieu of STP 51-410.</li> </ol>						
a. High speed steel (HSS) drills shall be used to drill corrosion resistant steels.							
	b. HSS reamers will be used for rough reaming, and final reaming of steels heat treated below 200 KSI. Carbide or premium grade hi-speed tipped reamers will be used for rough reaming of steels heat treated above 200 KSI.						
c. Drilling shall never be used as a final machining operation. A minimum of 0.015 inch on diameter shall be left for final reaming. Holes shall be finished by reaming or boring. When jigs, fixtures, or bushings are not used for drilling holes larger than 1/4 inch, the holes will be piloted with a center drill. Chemical, electrical, or electrochemical hole producing methods shall not be used as a final surface producing method without prior approval from OO-ALC/LGHLEN.							
d. Honing stones shall be of 150 to 500 alumium oxide grit with a medium-hard bond and preferably a multi-head stone. Heads with steel shoes or wipers shall not be used.							
e. Rough reaming, the reamer length shall be as short as consistent with required penetration. Final reaming, the diameter cut shall produce a hole that meets the requirements of the engineering drawing.							
PREPARED BY	<del>~~</del>		SYMBOL	DATE			
	ORIN HATCH LGMPM 22 May 03						

REV:		ENGINEERING DAT	TA REQUIREMENTS CONTINUATION S (ATTACHMENT "A")	HEET
PART N	UMBER		NATIONAL STOCK NUMBER	
	4G13665-10	03A	3040 01 156 5804 L	E
f.		sed as a final operation where a surface fined by other means.	nish better than 125 roughness heigh	nt ratio is required, and
g.	Carbide drills can dull or chipped co	be operated at higher speeds that HSS drondition.	ills, but must be used with caution.	Thay must not be used in
6. F	Flag note correction			
a.	Flag note 13, omi	t flag note 17.		
b.	Flag note 17, is n	ot required for manufacture of this item.		
7. N	Material Review Boa	ard disposition:		
a.		EN system engineering retains all rights All deviations, minor and major, from the		
8. S	Statec test X999, and	d DS 5025 are not required for manufactu	re of this item.	
PREPA	RED BY ORIN F	НАТСН	SYMBOL LGMPM	22 May 03